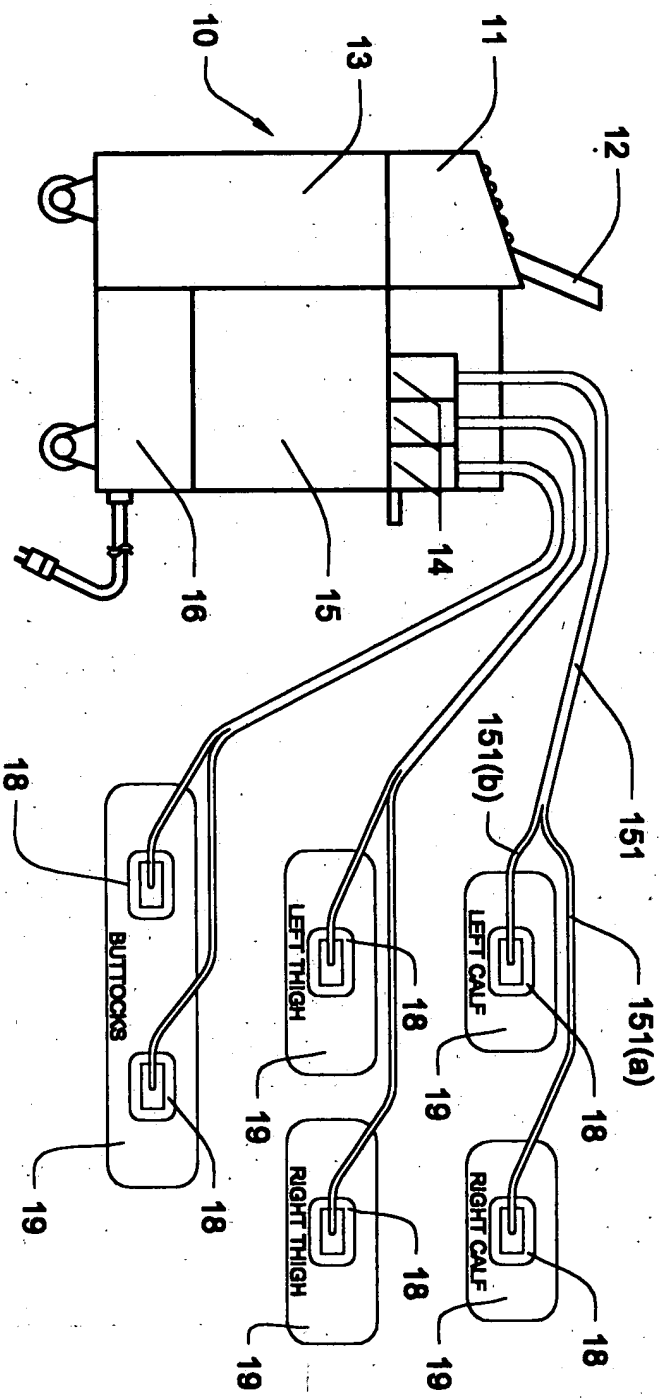
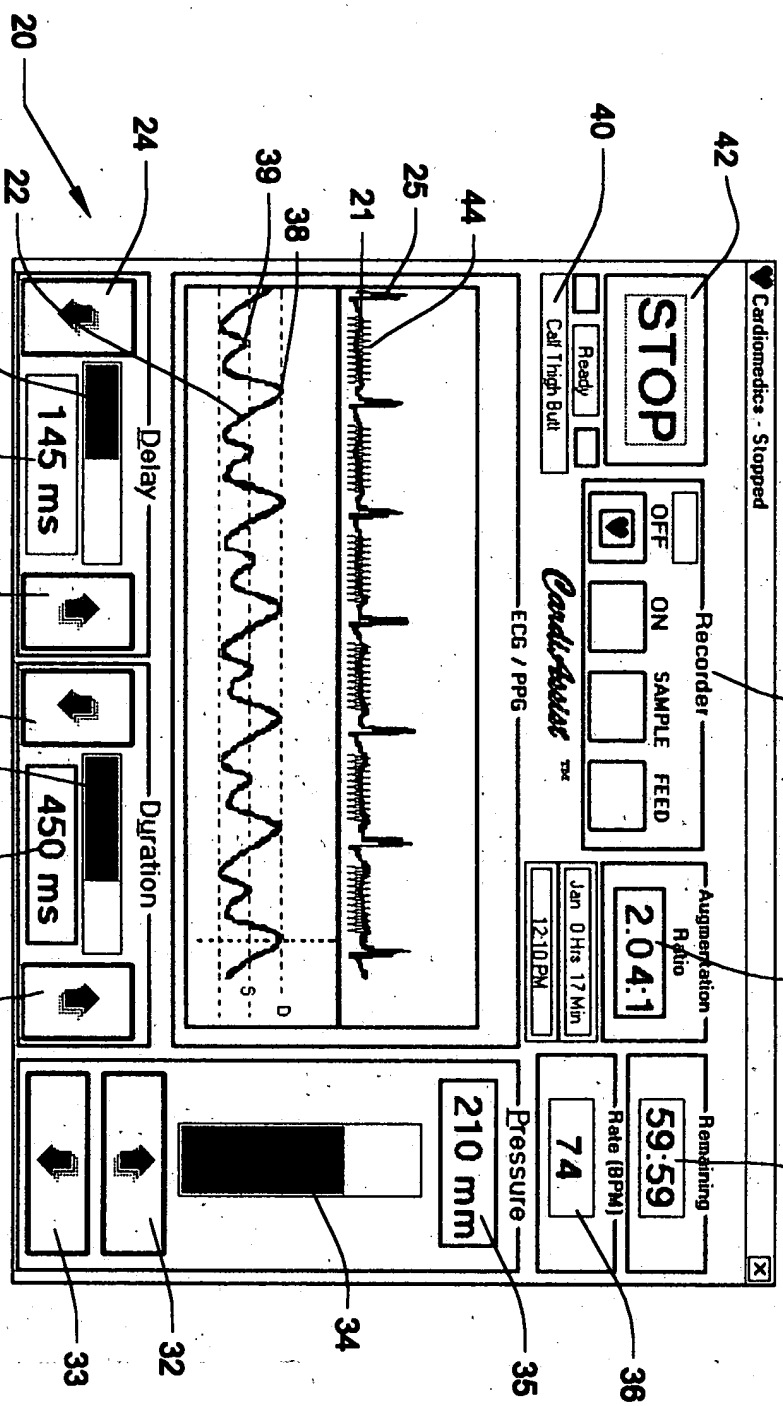


PRIOR ART

FIGURE 1

Case 312



PRIOR ART

FIGURE 2

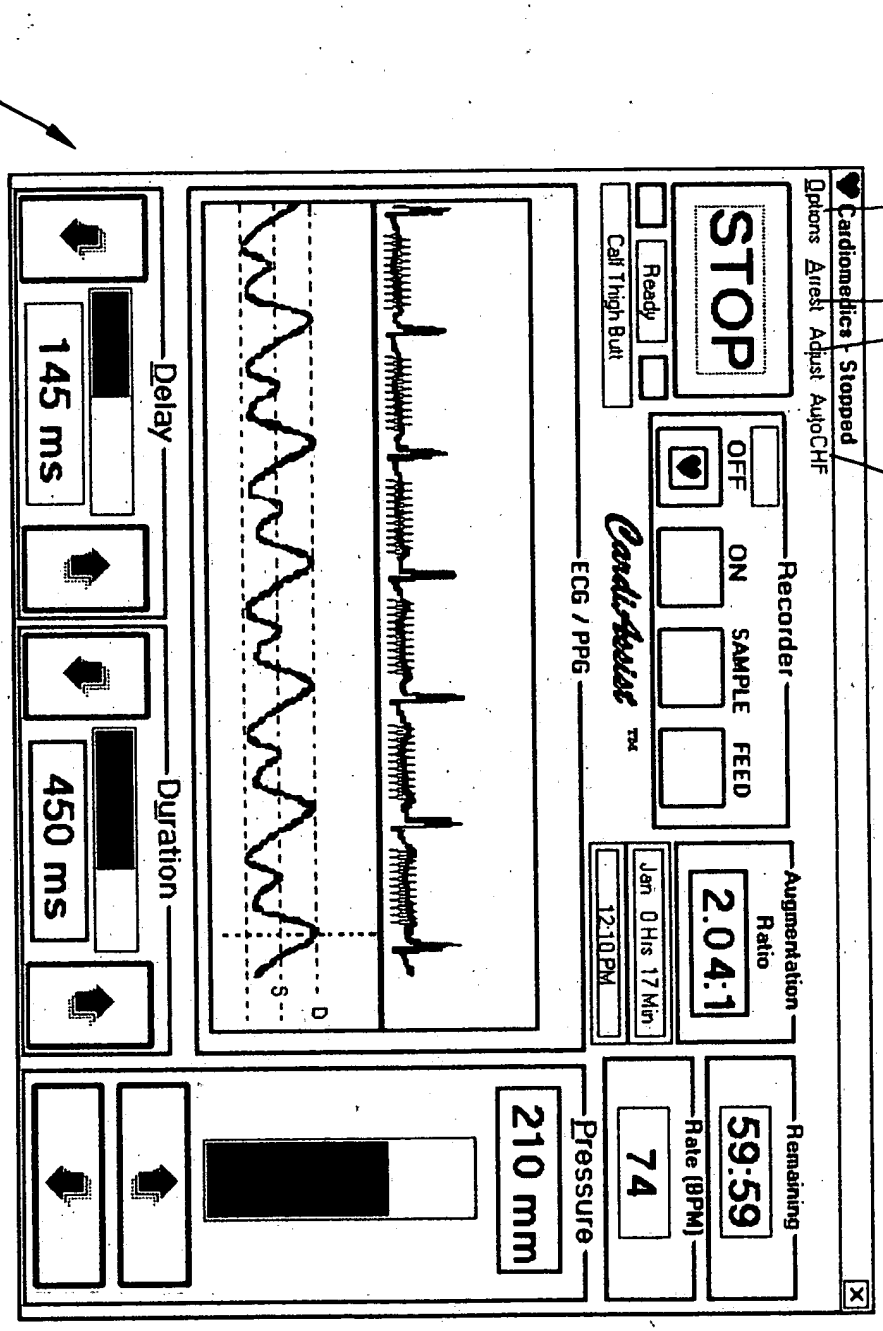

20
51
52
53
54
Cardiometrics
Stopped
Options Arrest Adjust AutoCHF
STOP
Ready
Calf Thigh Butt
OFF
ON
SAMPLE
FEED
Recorder
CardiAssist TM
ECG / PPG
Augmentation Ratio
2.04:1
Jan 0 Hrs 17 Min
12:10 PM
Remaining
59:59
Rate (BPM)
74
Pressure
210 mm
Delay
145 ms
Duration
450 ms
D
S

FIGURE 3

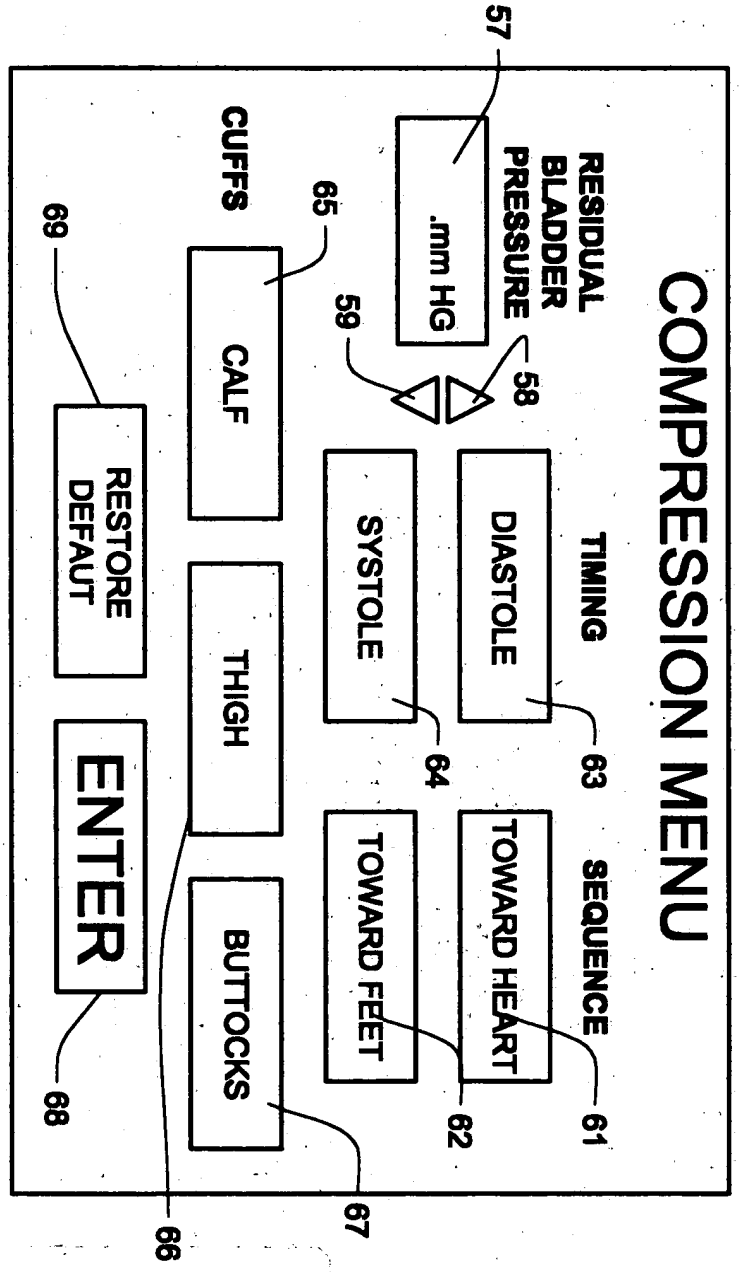

COMPRESSION MENU
RESIDUAL BLADDER PRESSURE
.mm HG
57
58
59
TIMING
DIASTOLE
63
SYSTOLE
64
SEQUENCE
TOWARD HEART
61
TOWARD FEET
62
CUFFS
CALF
65
THIGH
66
BUTTOCKS
67
RESTORE DEFAUT
69
ENTER
68
60

FIGURE 4

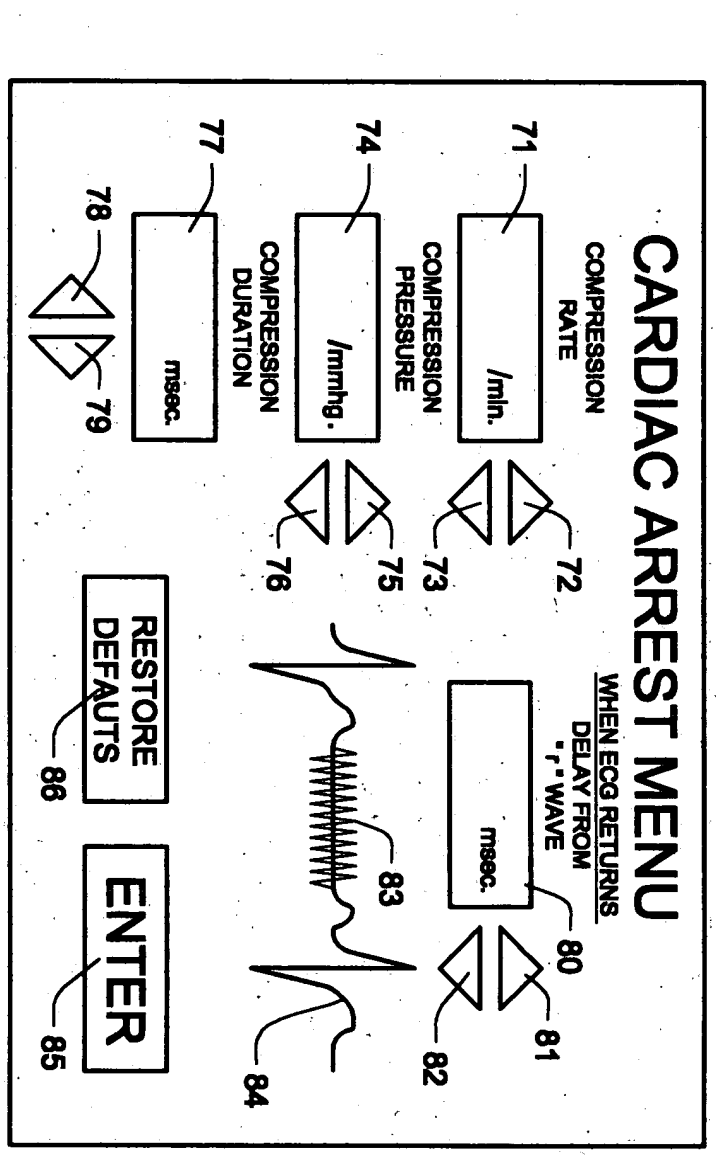

70
CARDIAC ARREST MENU
COMPRESSION RATE
/min.
71
72
73
COMPRESSION PRESSURE
/mmhg.
74
75
76
COMPRESSION DURATION
msec.
77
78
79
WHEN ECG RETURNS DELAY FROM "r" WAVE
msec.
80
81
82
83
84
RESTORE DEFAUTS
86
ENTER
85

FIGURE 5

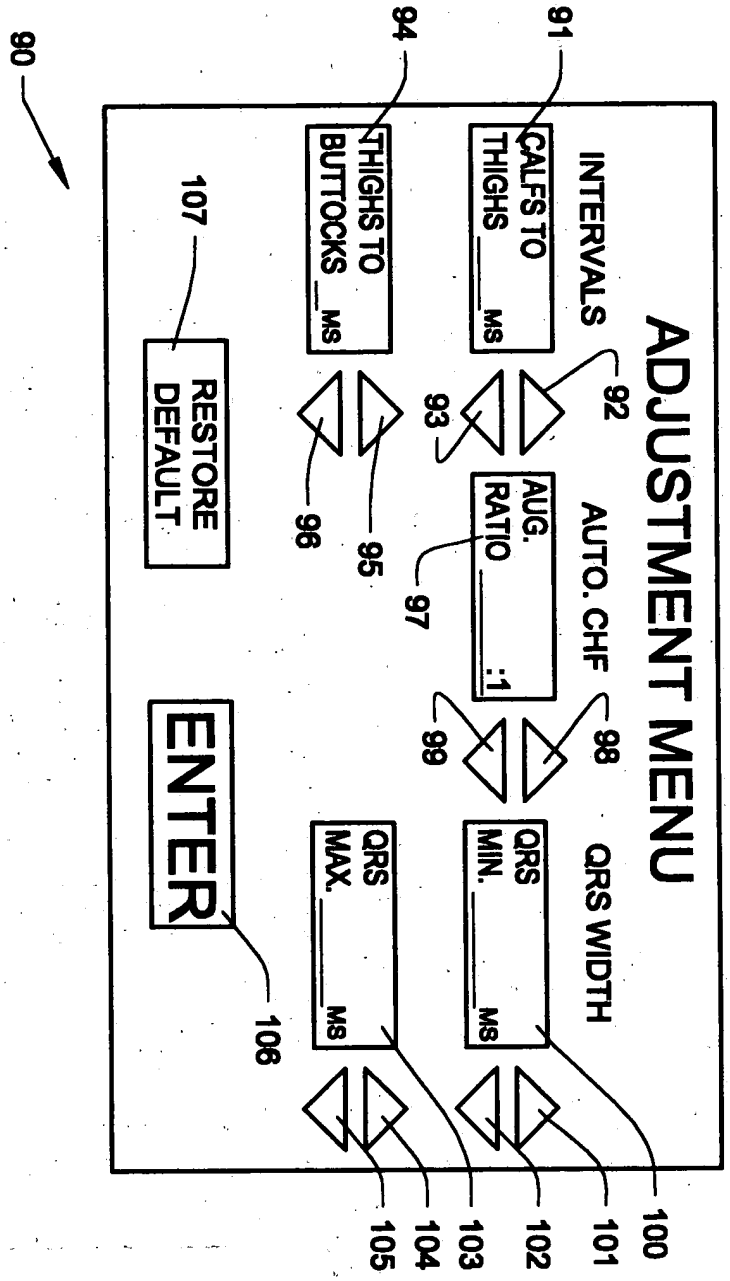

90
91
94
ADJUSTMENT MENU
INTERVALS
CALFS TO THIGHS ___ MS
THIGHS TO BUTTOCKS ___ MS
92
93
96
95
AUG. RATIO ___ :1
AUTO. CHF
97
99
98
QRS WIDTH
QRS MIN. ___ MS
QRS MAX. ___ MS
107
RESTORE DEFAULT
ENTER
106
100
101
102
103
104
105

FIGURE 6

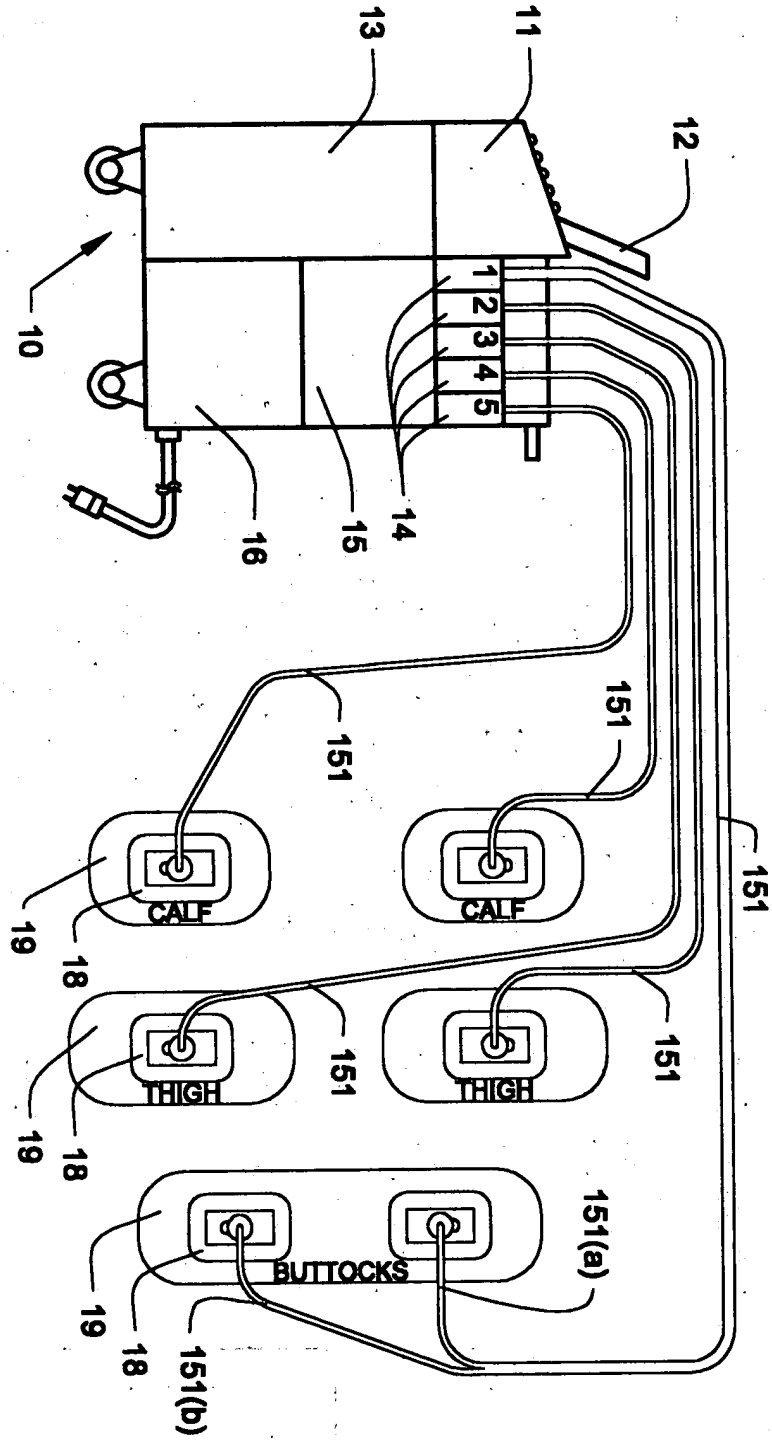

13
11
12
10
1
2
3
4
5
16
15
14
151
151
151
151
CALF
CALF
19
18
THIGH
THIGH
19
18
151(a)
BUTTOCKS
19
18
151(b)

FIGURE 7

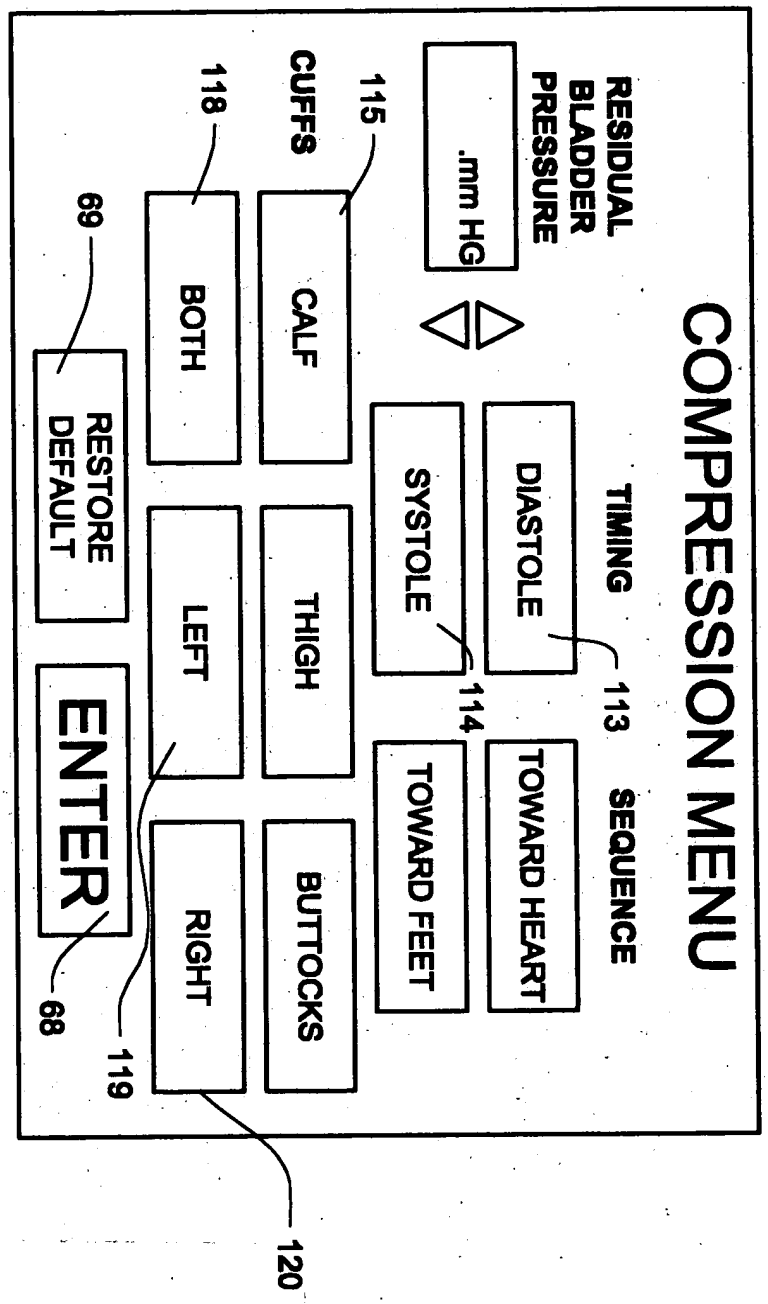

COMPRESSION MENU
RESIDUAL BLADDER PRESSURE
.mm HG
TIMING
SEQUENCE
DIASTOLE
SYSTOLE
TOWARD HEART
TOWARD FEET
CUFFS
CALF
BOTH
THIGH
BUTTOCKS
LEFT
RIGHT
RESTORE DEFAULT
ENTER
110
113
114
115
118
119
120
68
69

FIGURE 8

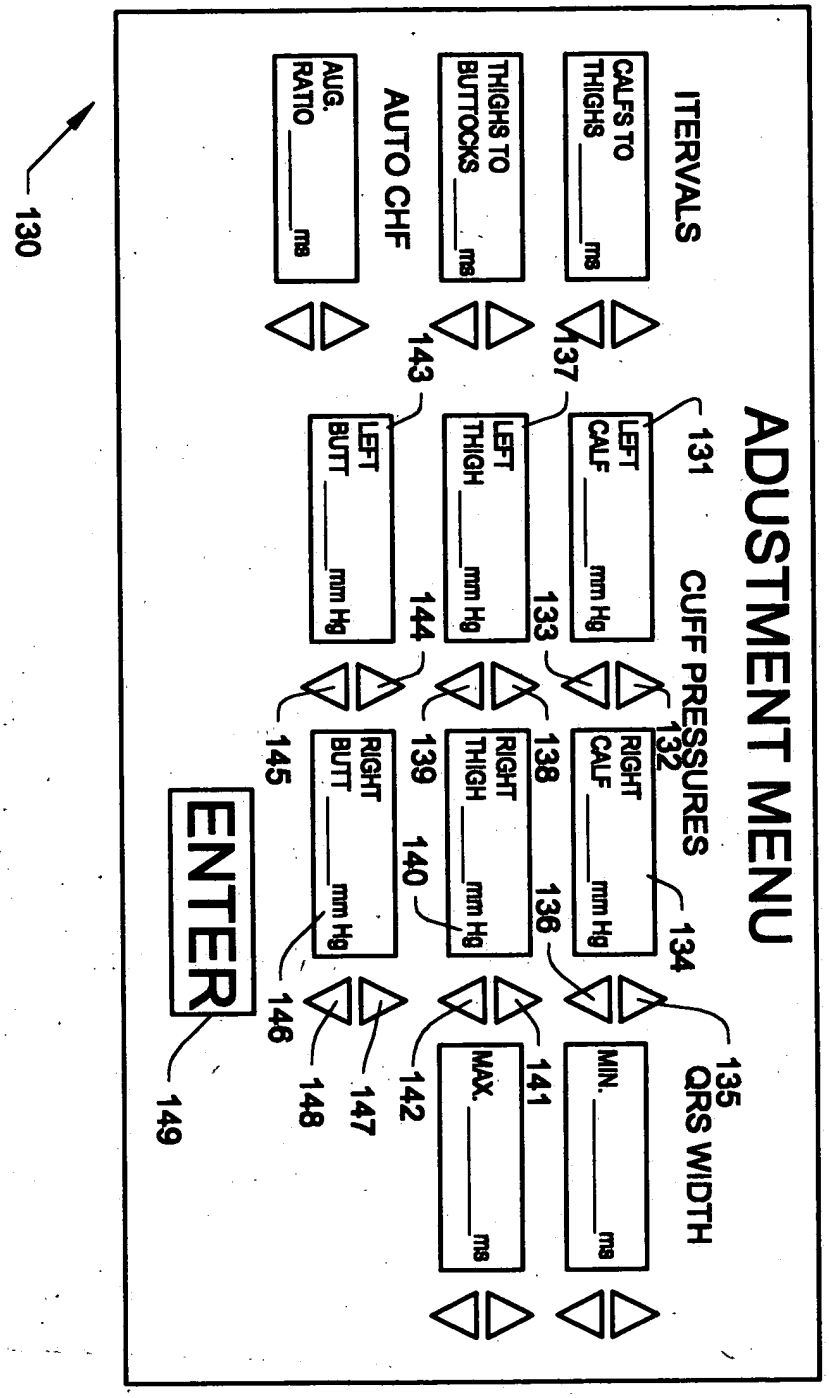

ADUSTMENT MENU
130
ITERVALS
CALFS TO THIGHS ___ ms
THIGHS TO BUTTOCKS ___ ms
AUTO CHF
AUG. RATIO ___ ms
CUFF PRESSURES
LEFT CALF ___ mm Hg
LEFT THIGH ___ mm Hg
LEFT BUTT ___ mm Hg
RIGHT CALF ___ mm Hg
RIGHT THIGH ___ mm Hg
RIGHT BUTT ___ mm Hg
QRS WIDTH
MIN. ___ ms
MAX. ___ ms
ENTER
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149

FIGURE 9

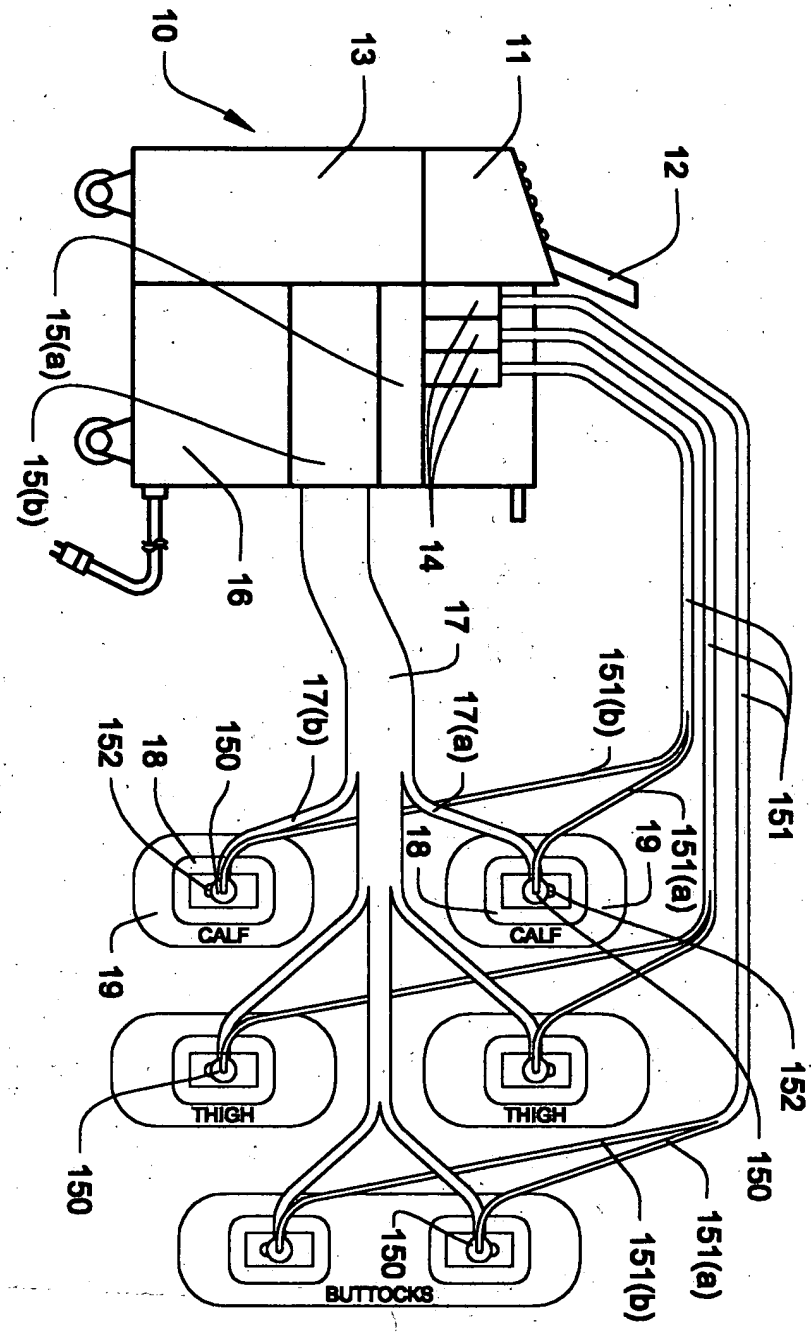

10
13
11
12
15(a)
15(b)
16
14
17
17(b)
17(a)
151(b)
151
152
18
150
19
151(a)
CALF
CALF
THIGH
THIGH
BUTTOCKS

FIGURE 10

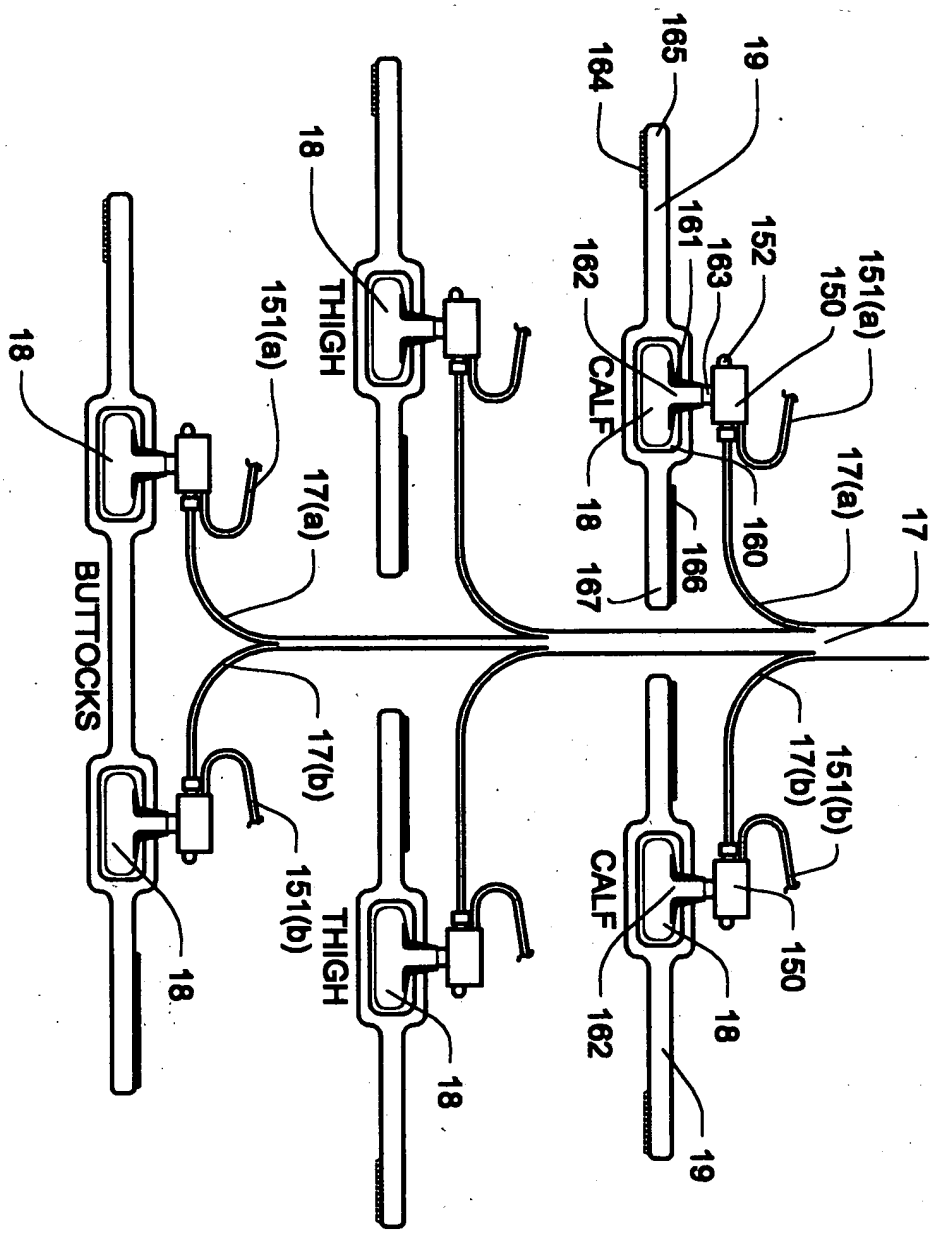

165
164
19
161
163
152
151(a)
150
162
CALF
18
160
17(a)
17
166
167
18
THIGH
151(a)
17(a)
18
BUTTOCKS
17(b)
151(b)
18
THIGH
18
151(b)
17(b)
150
CALF
162
18
19

FIGURE 11

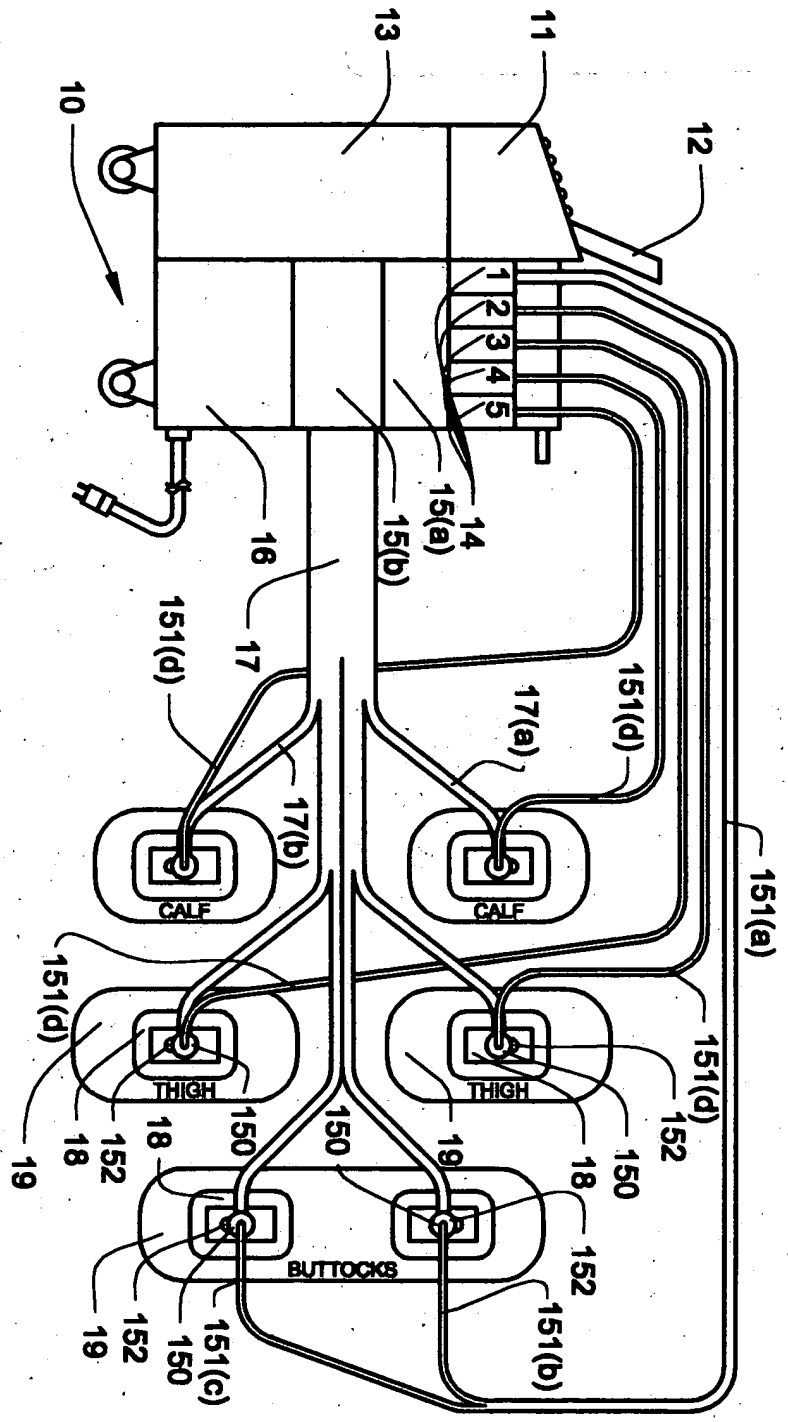

13
11
10
12
1
2
3
4
5
16
15(b)
14
15(a)
151(d)
17
17(a)
151(d)
151(d)
17(b)
CALF
CALF
151(a)
151(d)
151(d)
THIGH
THIGH
19
18
152
150
150
19
18
150
152
18
152
BUTTOCKS
19
152
150
151(c)
151(b)

FIGURE 12

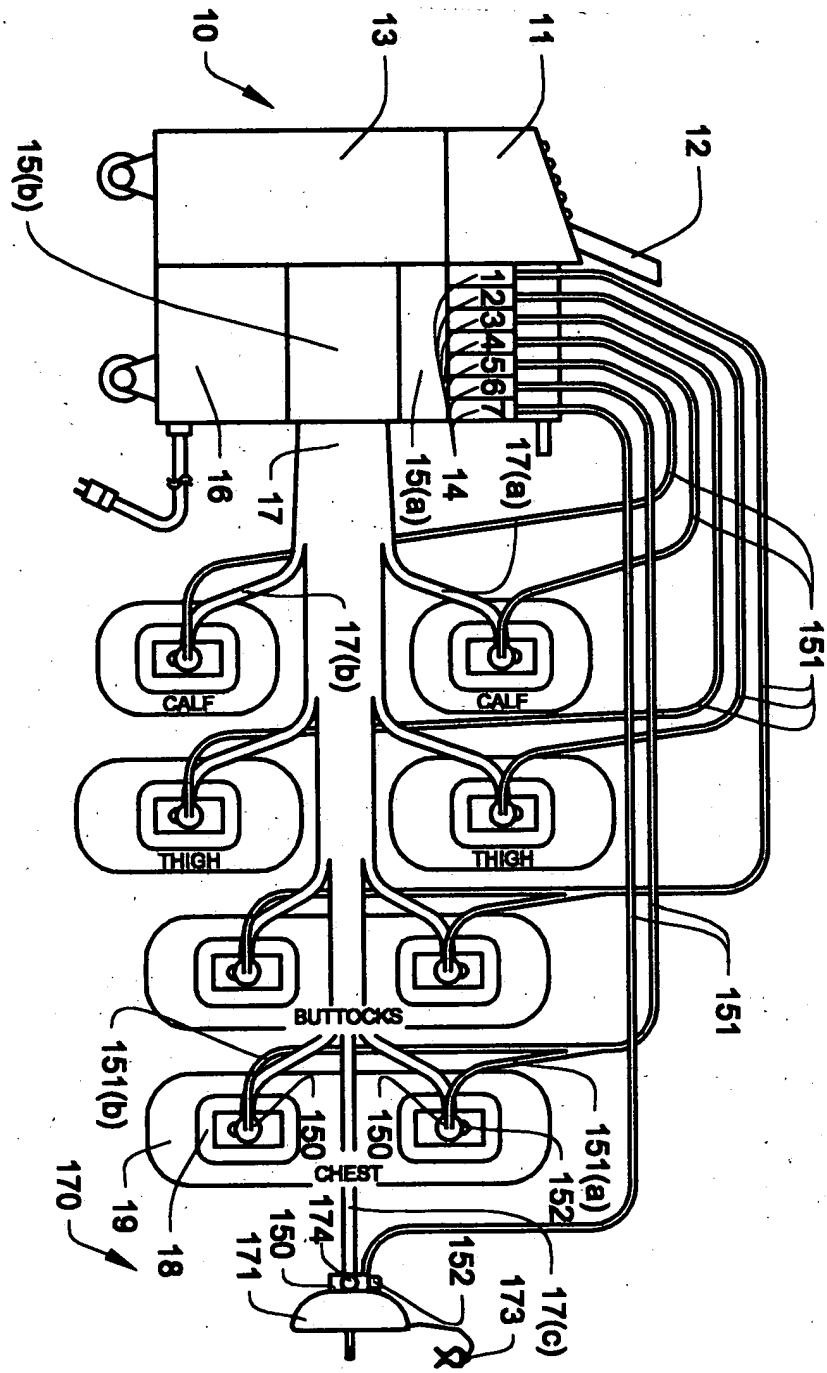

10
13
11
12
15(b)
1
2
3
4
5
6
7
16
17
14
15(a)
17(a)
151
17(b)
CALF
CALF
THIGH
THIGH
BUTTOCKS
151(b)
150
150
151(a)
152
CHEST
170
19
18
174
150
171
152
173
17(c)

FIGURE 13

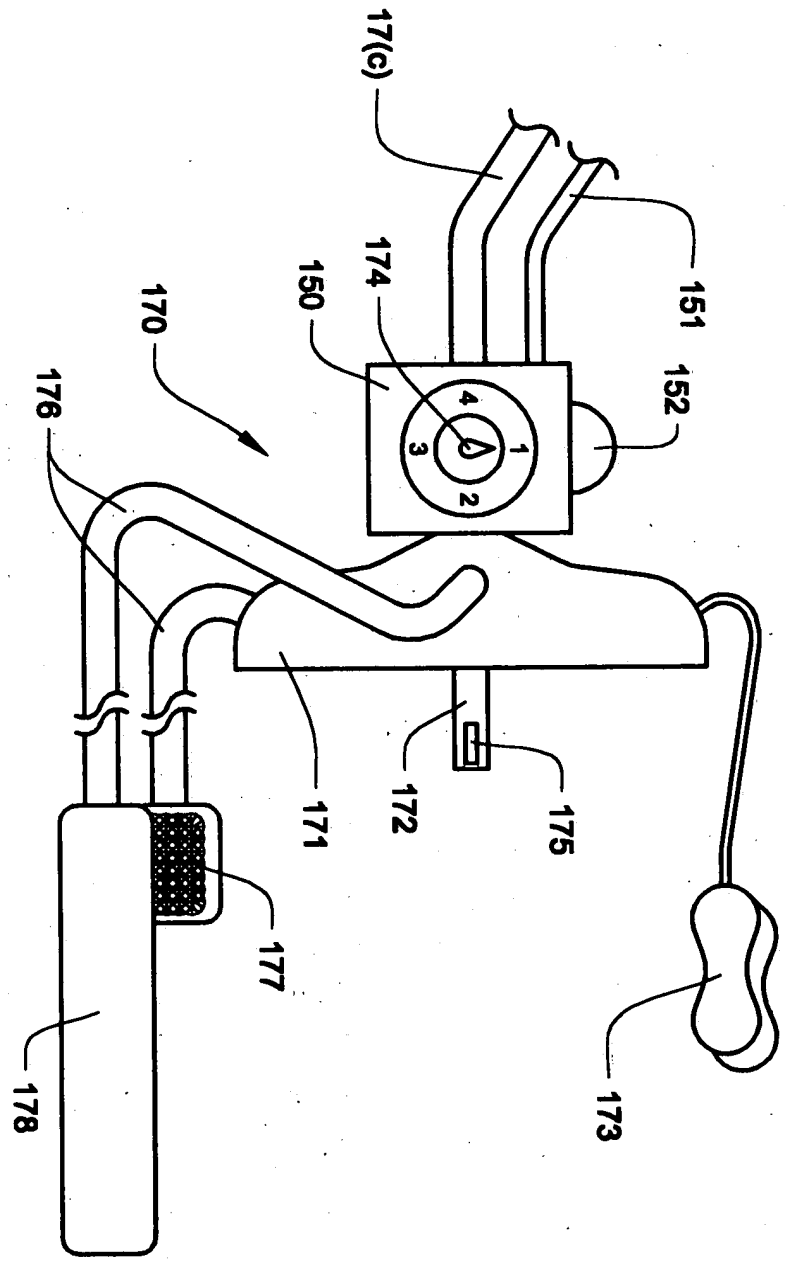


FIGURE 14

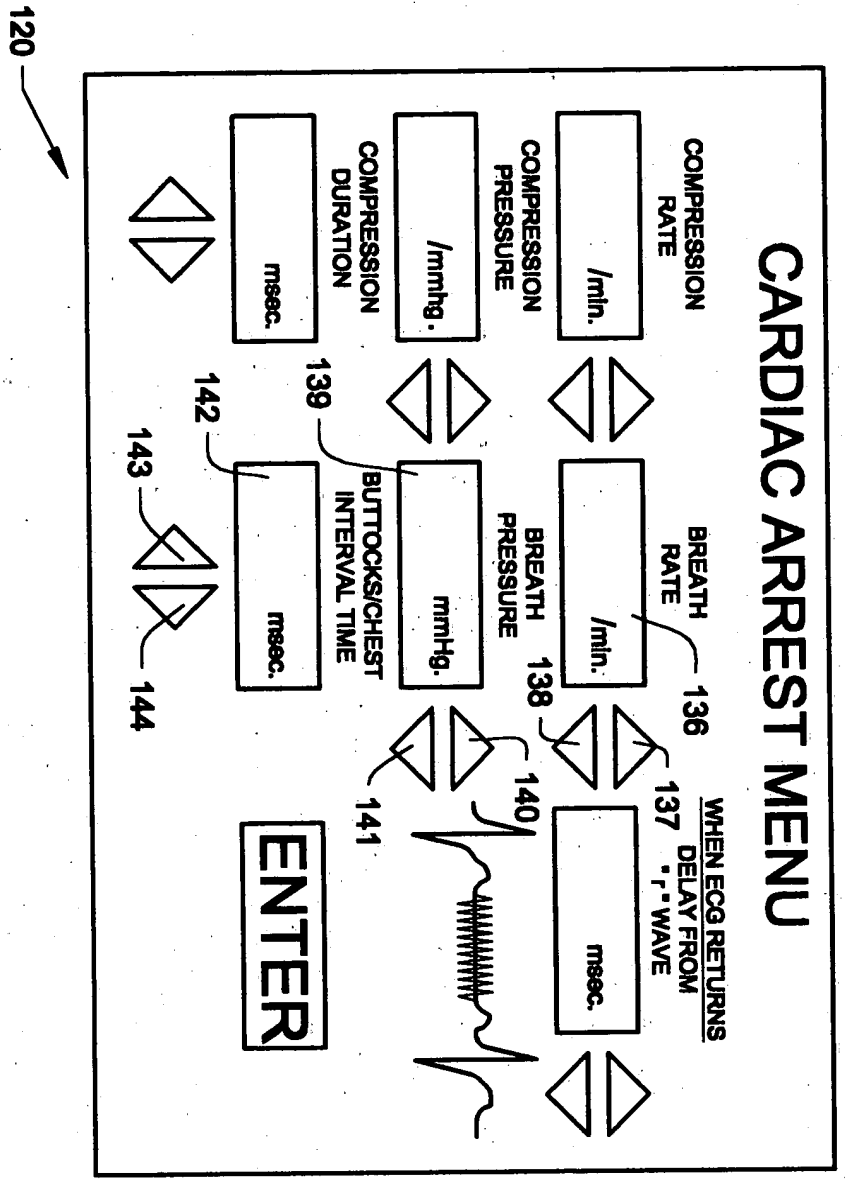
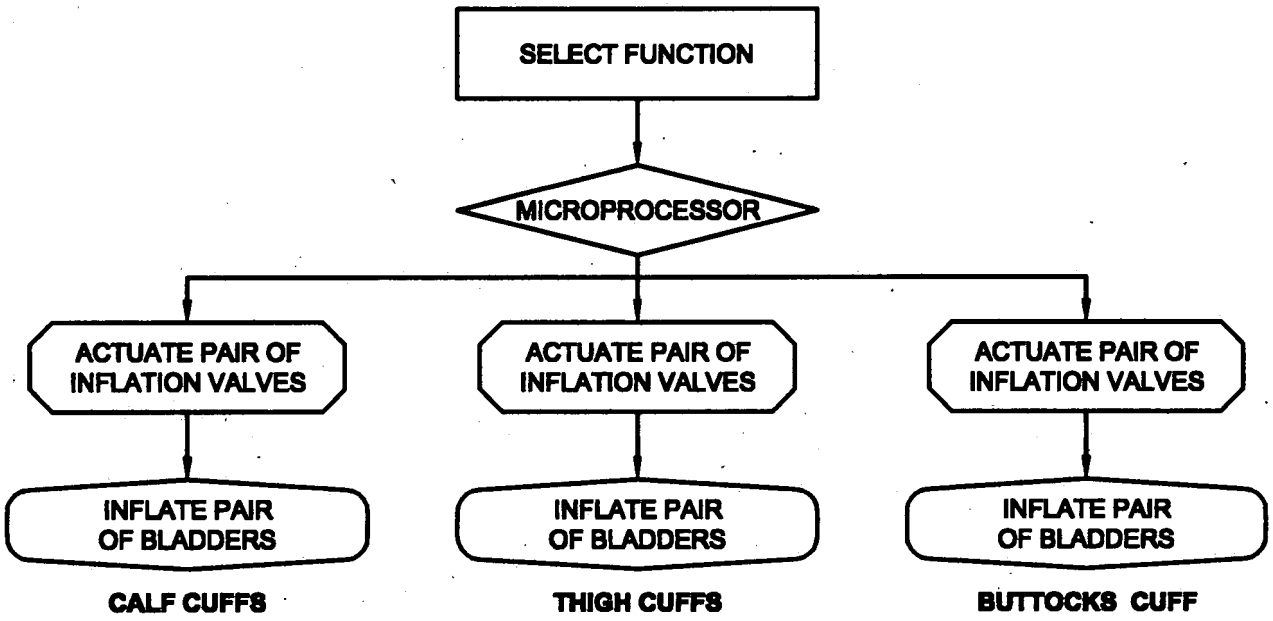

120
CARDIAC ARREST MENU
COMPRESSION RATE
/min.
COMPRESSION PRESSURE
/mmhg.
COMPRESSION DURATION
msec.
BREATH RATE
/min.
136
BREATH PRESSURE
mmHg.
138
BUTTOCKS/CHEST INTERVAL TIME
msec.
139
142
143
144
WHEN ECG RETURNS DELAY FROM "r" WAVE
msec.
137
140
141
ENTER

FIGURE 15



PRIOR ART

FIGURE 16

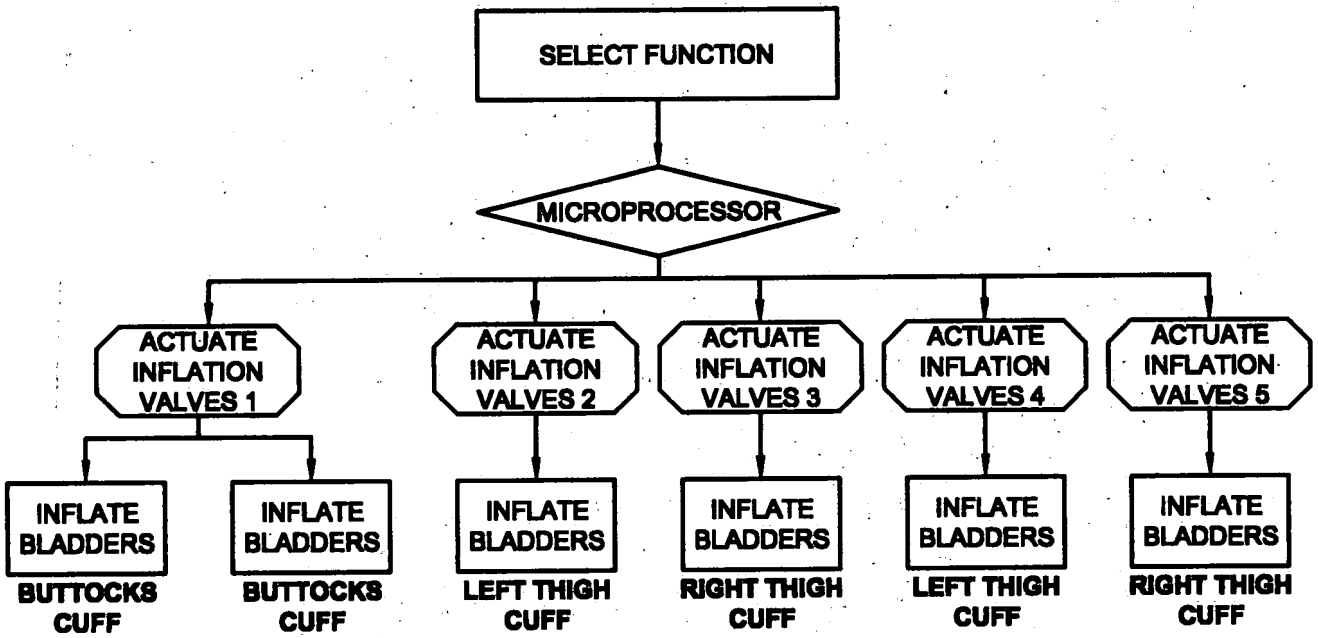

SELECT FUNCTION
MICROPROCESSOR
ACTUATE INFLATION VALVES 1
ACTUATE INFLATION VALVES 2
ACTUATE INFLATION VALVES 3
ACTUATE INFLATION VALVES 4
ACTUATE INFLATION VALVES 5
INFLATE BLADDERS
BUTTOCKS CUFF
INFLATE BLADDERS
BUTTOCKS CUFF
INFLATE BLADDERS
LEFT THIGH CUFF
INFLATE BLADDERS
RIGHT THIGH CUFF
INFLATE BLADDERS
LEFT THIGH CUFF
INFLATE BLADDERS
RIGHT THIGH CUFF

FIGURE 17

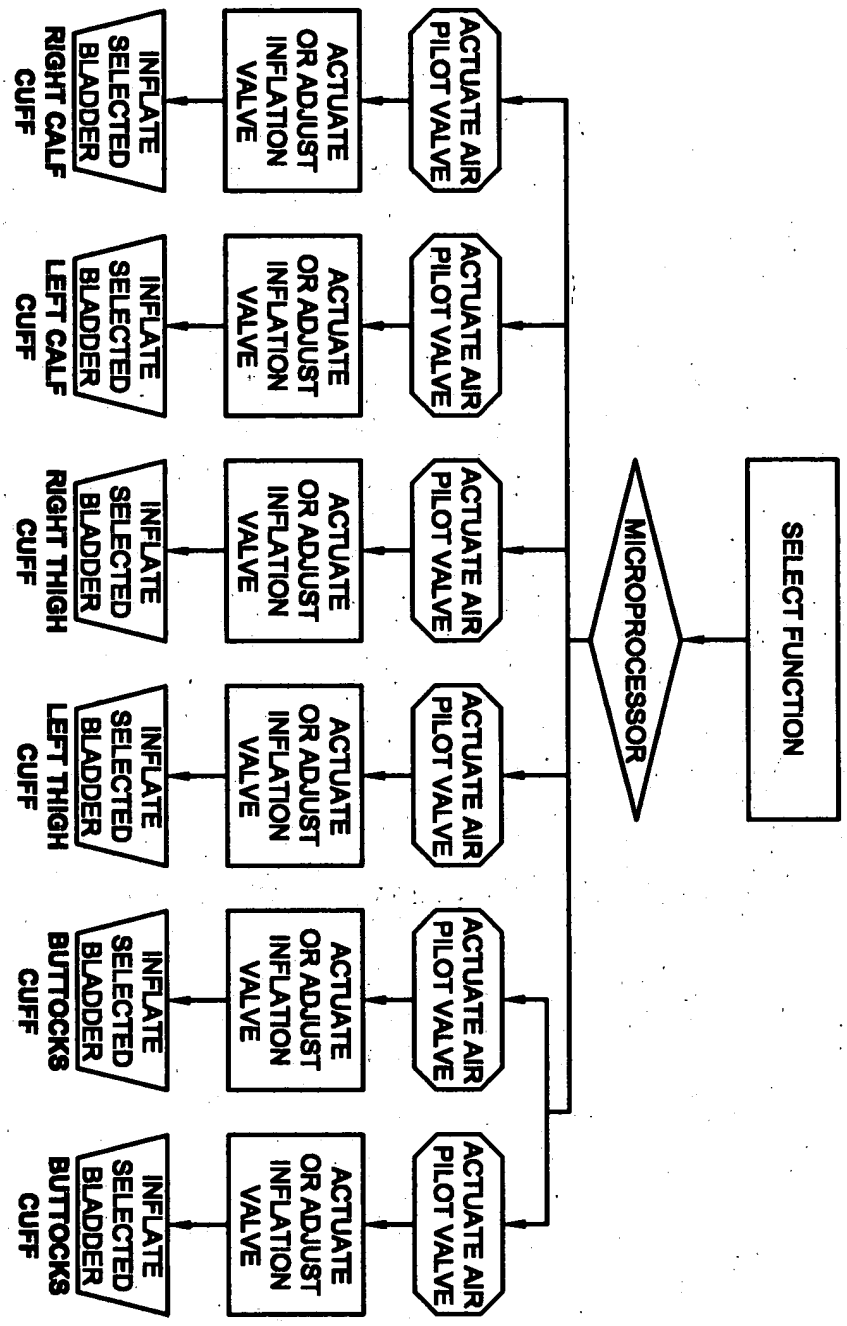

SELECT FUNCTION
MICROPROCESSOR
ACTUATE AIR PILOT VALVE
ACTUATE OR ADJUST INFLATION VALVE
INFLATE SELECTED BLADDER RIGHT CALF CUFF
ACTUATE AIR PILOT VALVE
ACTUATE OR ADJUST INFLATION VALVE
INFLATE SELECTED BLADDER LEFT CALF CUFF
ACTUATE AIR PILOT VALVE
ACTUATE OR ADJUST INFLATION VALVE
INFLATE SELECTED BLADDER RIGHT THIGH CUFF
ACTUATE AIR PILOT VALVE
ACTUATE OR ADJUST INFLATION VALVE
INFLATE SELECTED BLADDER LEFT THIGH CUFF
ACTUATE AIR PILOT VALVE
ACTUATE OR ADJUST INFLATION VALVE
INFLATE SELECTED BLADDER BUTTOCKS CUFF
ACTUATE AIR PILOT VALVE
ACTUATE OR ADJUST INFLATION VALVE
INFLATE SELECTED BLADDER BUTTOCKS CUFF

FIGURE 18

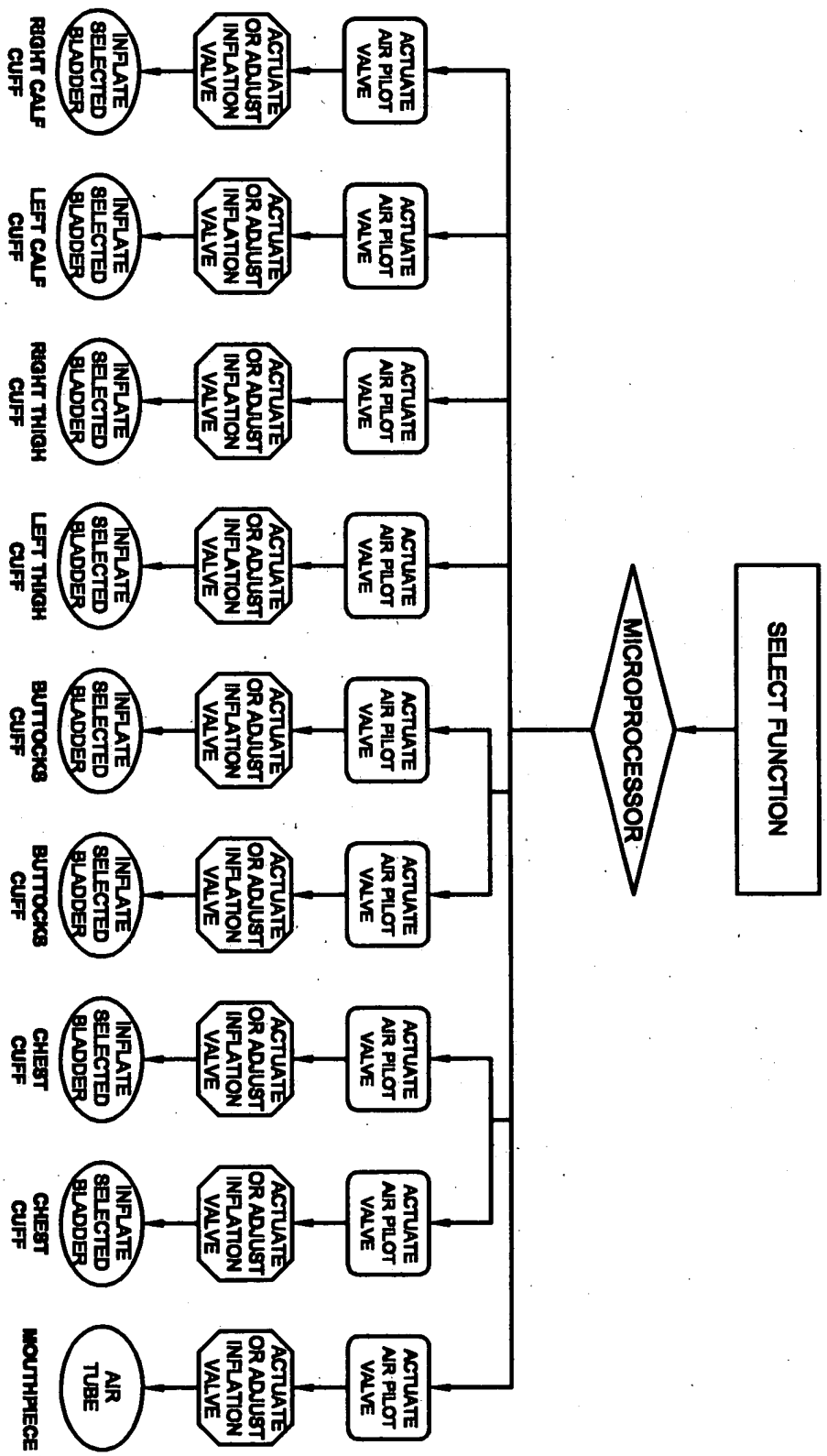

SELECT FUNCTION
MICROPROCESSOR
ACTUATE AIR PILOT VALVE
ACTUATE OR ADJUST INFLATION VALVE
INFLATE SELECTED BLADDER
RIGHT CALF CUFF
LEFT CALF CUFF
RIGHT THIGH CUFF
LEFT THIGH CUFF
BUTTOCKS CUFF
BUTTOCKS CUFF
CHEST CUFF
CHEST CUFF
AIR TUBE
MOUTHPIECE

FIGURE 19